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## PATENT ABSTRACTS OF JAPAN

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(21)Application number : 09-129027 (71)Applicant : SONY CORP

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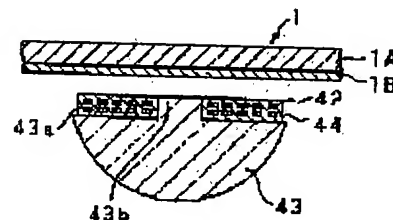
## (54) RECORDING AND REPRODUCING DEVICE

## (57)Abstract:

PROBLEM TO BE SOLVED: To provide the recording and reproducing device capable of dealing with the optical disk system having a large capacity so as to be able to record with higher density and moreover miniaturizing the device.

SOLUTION: The recording and reproducing means is composed of the optical system irradiating a magneto-optical recording film with the light and the thin film coil 42 arranged on the opposing surface of the magneto-optical recording film in this optical system, the magneto-optical recording film is irradiated with the irradiating light from the optical system through the central hole of the thin film coil 42, and the magnetic field is applied to the magneto-optical recording film with the thin film coil 42.

Concretely, the thin film coil 42 is formed on the circular flat surface opposing to the magneto-optical recording film of a semi-spherical lens. A magnetic substance core may be laminated on the thin film coil 42.



## LEGAL STATUS

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